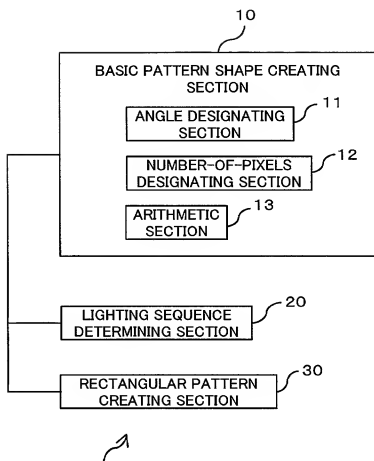


FIG. 1



1: BINARY-CODING PATTERN CREATING APPARATUS

FIG. 2

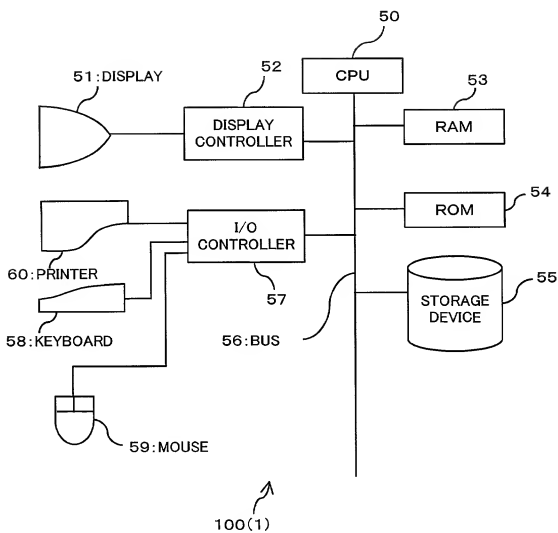


FIG. 3

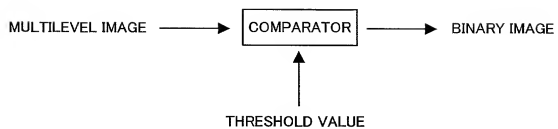


FIG. 4



FIG. 5A

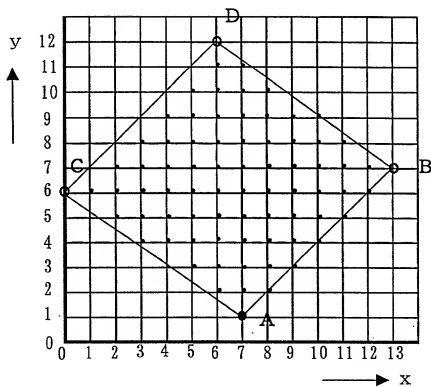


FIG. 5B



CONVERTED INTO DOTS

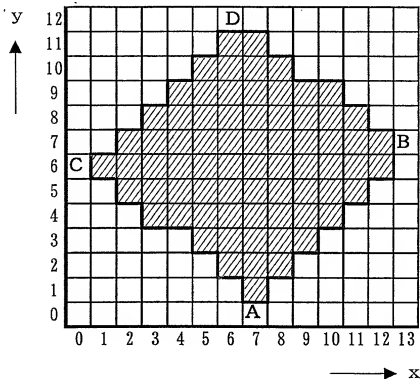


FIG. 6

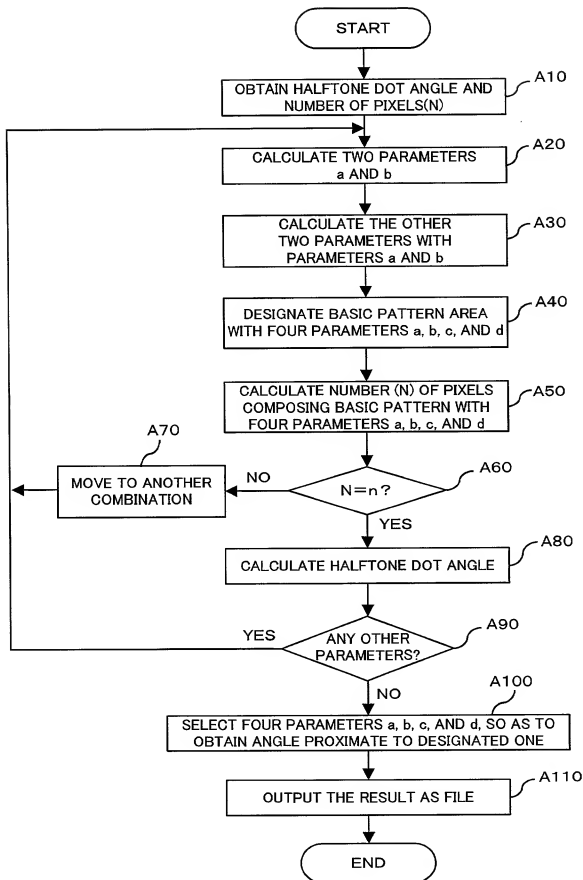


FIG. 7

0-th solution (a, b, c, d) = (6, 6, 6, 6) slope= 0.000000
1-th solution (a, b, c, d) = (6, 6, 7, 5) slope= 0.000000
2-th solution (a, b, c, d) = (6, 6, 5, 7) slope= 0.000000
3-th solution (a, b, c, d) = (7, 5, 6, 6) slope= 0.000000
4-th solution (a, b, c, d) = (6, 5, 6, 7) slope= 0.142857
5-th solution (a, b, c, d) = (7, 6, 5, 6) slope= 0.142857
6-th solution (a, b, c, d) = (6, 6, 8, 4) slope= 0.000000
7-th solution (a, b, c, d) = (6, 6, 4, 8) slope= 0.000000
8-th solution (a, b, c, d) = (8, 4, 6, 6) slope= 0.000000
9-th solution (a, b, c, d) = (7, 4, 4, 8) slope= 0.428571

FIG. 8



FIG. 9



FIG. 10

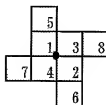


FIG. 11

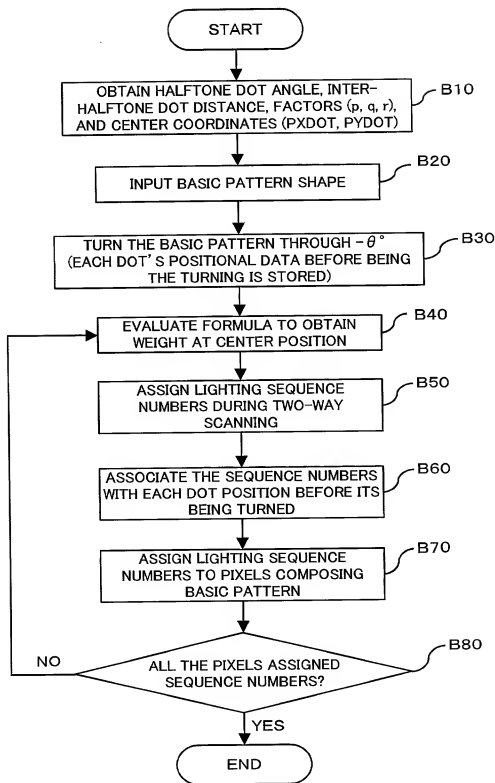


FIG. 12A

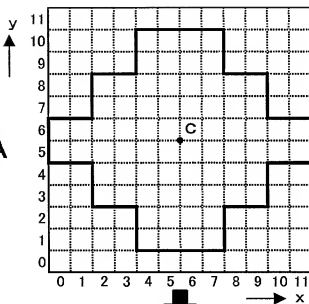


FIG. 12B

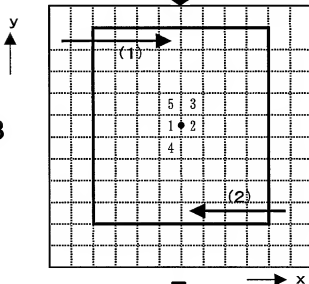


FIG. 12C

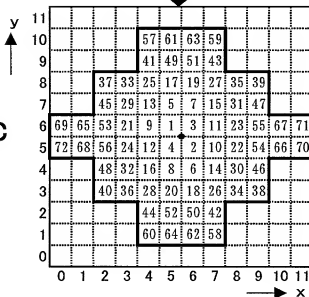


FIG. 13

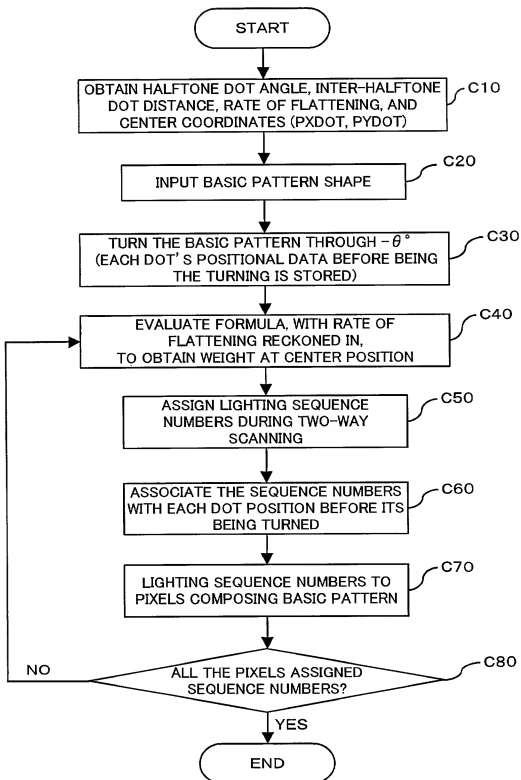


FIG. 14

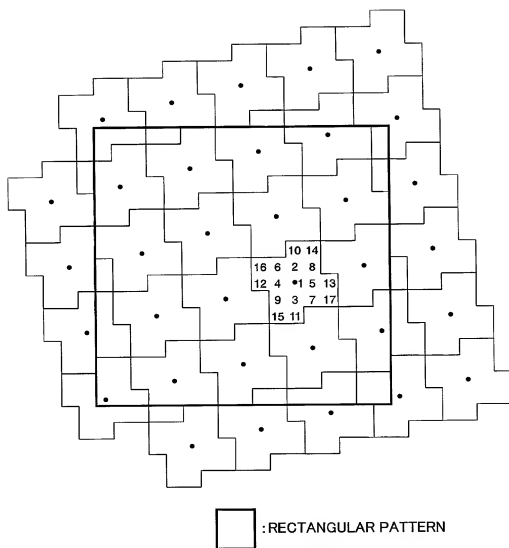


FIG. 15

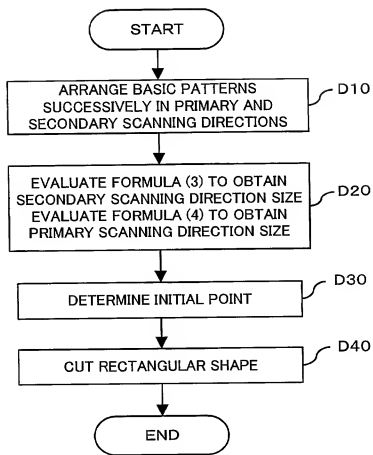
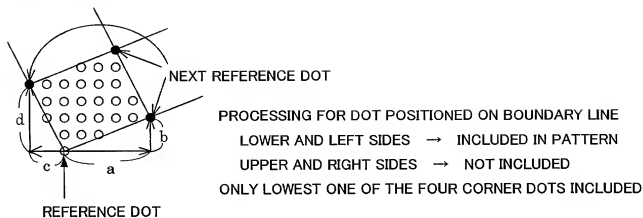
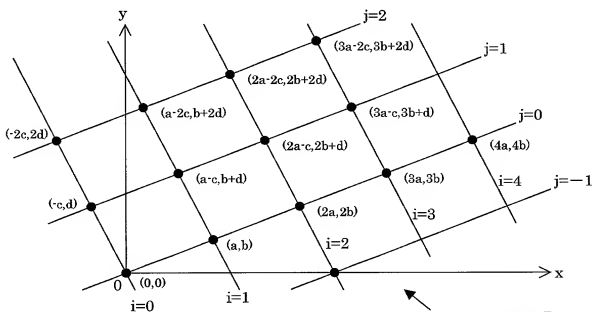


FIG. 16A



↓ ARRANGE BASIC PATTERNS ALL OVER THE PLANE

FIG. 16B



IN THIS EXAMPLE,
 $a=5, b=2, c=2, d=4$
 $n=ad+bc=20+4=24$

FIG. 17

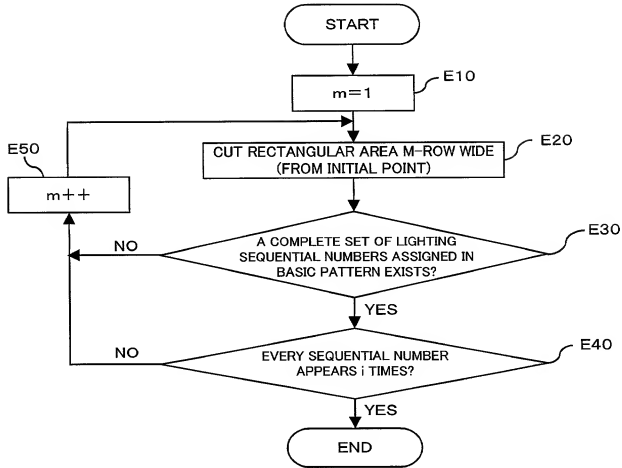


FIG. 18

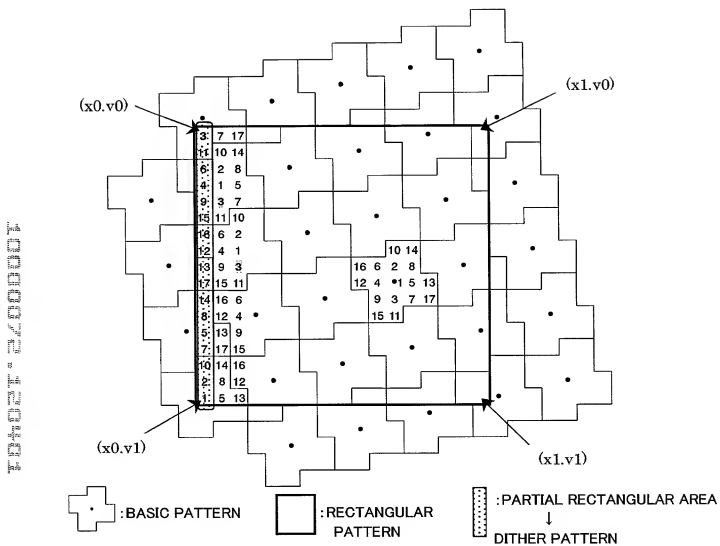


FIG. 19

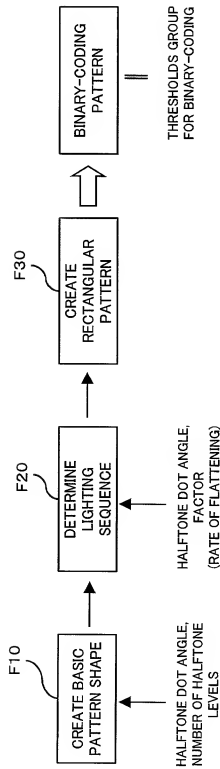


FIG. 20A

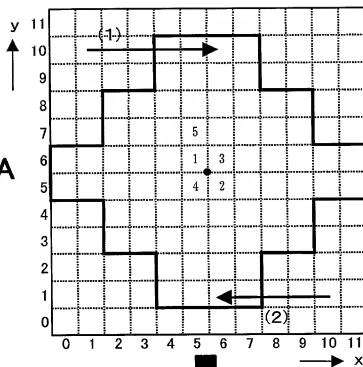


FIG. 20B

